CLAIMS

1.   A data communication control system comprising:
recording means for recording a program or data; and data
communication controlling means for causing a user terminal to
execute the program recorded in said recording means through a
communication line, or for downloading the recorded program or data
to the user terminal, characterized by comprising:

code train issuing means for issuing a code train and also for
transmitting said code train to said data communication controlling
means;

code train receiving means for receiving the code train
transmitted from said user terminal through the communication line;

code train judging means for judging whether or not said
received code train conforms with predetermined condition
corresponding to said issued code train; and

authorizing means for authorizing the user terminal that
transmitted said code train to execute said program, continue the
program being executed, download the program, or download data,
when said received code train conforms with said predetermined
condition.

2.   A data communication control system comprising:
recording means for recording a program or data; a first server
capable of notifying a code train to a user terminal through a
communication line; and data communication controlling means for

allowing the program or data recorded in said recording means to be executed from the user terminal via the communication line, or for causing said user terminal to download the recorded program or data, characterized by comprising:

code train receiving means for receiving the code train transmitted from said user terminal through the communication line;

code train judging means for judging whether said received code train conforms with a predetermined condition; and

authorizing means for authorizing said user terminal that transmitted said code train to execute said program, continue the program being executed, download the program or download the data, when said received code train conforms with said predetermined condition.

3.   A data communication control system comprising: recording means for recording a program or data; a first server capable of transmitting a code train to a user terminal through a communication line; and data communication controlling means for allowing said user terminal to execute the program or data recorded in said recording means, or for downloading the program from said recording means to said user terminal, characterized by comprising:

means for, by preliminarily downloading, causing said user terminal to execute a management program that causes said user terminal to receive and record the code train transmitted from said first server, and to transmit said recorded code train to a

predetermined destination from said user terminal;

code train receiving means for receiving the code train transmitted from said user terminal via the communication line;

code train judging means for judging whether or not said received code train conforms with the predetermined condition; and

authorizing means for authorizing said user terminal that transmitted said code train to execute said program, continue the program being executed, download the program, or download the data, when said received code train conforms with said predetermined condition.

4.   The data communication control system as set forth in any one of claims 1 through 3, wherein

said program is a program that starts or continues according to points associated with the user, and

the authorizing means for authorizing execution of said program or continuation of the program changes said points depending on said code train.

5.   The data communication control system as set forth in claim 4, further comprising:

point managing means for associating identification information for identifying the user operating said user terminal or the user terminal with points of said user or user terminal identified by said identification information and records them;

code train information managing means for associating the code train with the points and records them; and

extracting means for extracting the points associated with the code train received from said user terminal, from said code train information managing means;

wherein the authorizing means for authorizing execution of said program, continuation of the program being executed, downloading of the program, or downloading of the data causes said point managing means to change the points associated with said identification information based on the points extracted by said extracting means.

6. The data communication control system as set forth in claim 5, further comprising code train generating means for generating a code train based on said identification information,

wherein said point managing means associates the identification information, the code train generated based on said identification information and the points.

7. The data communication control system as set forth in claim 5 or 6, wherein

said point managing means associates a history of the code train related to the change of the points with the identification information and records them, and

said predetermined condition is determined based on the

history recorded in association with said identification information.

8. The data communication control system as set forth in any one of claims 5 through 7, wherein

said point managing means records data related to available period associated with the code train; and

said system further comprises condition determining means for determining said predetermined condition, based on the data related to the available period recorded in association with said code train.

9. The data communication control system as set forth in any one of claims 5 through 8, comprising: attribute information transmitting means for causing said user terminal to input attribute information indicative of attributes of the user identified by the identification information and to transmit the inputted attribute information, and

further comprising:

means for recording said attribute information in association with the identification information in said point managing means, when receiving from said user terminal the attribute information indicative of the attributes of the user identified by the identification information; and privilege granting means for granting a privilege to the user identified by the identification information recorded in association with the attribute information when the points recorded in association with said point managing means satisfy a

predetermined numeric condition.

10.   A communication system which is used for providing services, and comprises a service server capable of communicating with a user terminal through a communication line; and code train issuing means for issuing a code train and also transmitting said code train to said service server, characterized by comprising:

code train receiving means for receiving the code train transmitted from said user terminal through the communication line;

code train judging means for judging whether or not said received code train conforms with the predetermined condition corresponding to said issued code train; and

authorizing means for authorizing the user terminal that transmitted said code train to provide services or continue services being provided, when said received code train conforms with said predetermined condition.

11.   A service providing method which comprises a service server used for providing services, and code train issuing means for issuing a code train and also for transmitting said code train to said service server, and provides services to a user terminal that communicates with said service server through a communication line, characterized by comprising the steps of:

issuing the code train and also transmitting said code train to said service server;

receiving the code train transmitted from said user terminal, through the communication line;

judging whether or not said received code train conform with the predetermined condition corresponding to said issued code train; and

authorizing the user terminal that transmitted said code train to provide services or continue the service being provided, when said received code train conforms with said predetermined condition.

12.   A computer program that causes a computer comprising data communication controlling means for communicating with a user terminal through a communication line, to provide a program or data to said user terminal, characterized by causing the computer to execute the steps of:

causing the computer to receive a code train transmitted from code train issuing means;

judging whether or not said received code train conforms with predetermined condition corresponding to the code train transmitted from said code train issuing means when receiving the code train transmitted from said user terminal through the communication line; and

authorizing said user terminal to execute said program, continue the program being executed, download the program or download the data, when said received code train conforms with predetermined condition.